

PROJECT STATUS REPORT

ITEM 8 Entries will be taken from codes listed on the reference site of this form page 3.
 ITEM 20 Enter concise project progress information sufficiently complete so that reference to other reports will not be necessary. Changes in program scheduling should be fully explained. If additional space is required, a separate 8 x 10 1/2 sheet will be used. Identify particular report and mark proper security classifications.

INSTRUCTIONS

1. PROGRAM STRUCTURE	2. PROJECT NR OR SYSTEM TEST OBJ NR	3. TASK, ESP OR TEST NUMBER
921A		62B01
4. AFMTC PROJECT DIRECTIVE NR	5. AFMTC PRIORITY	6. REPORTING PERIOD
62-17	01	August 1964

7. TITLE AND OBJECTIVE
 EXPERIMENTAL PERSONNEL PARACHUTE (MULTI-STAGE)
 To determine the opening reliability of a multi-stage parachute assembly to be used by parachutists from high altitudes.

8. SCHEDULE	CURRENT FY 65												FY 66												FY 67 QTRS				FY 68 QTRS							
	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	1st	2d	3d	4th	1st	2d	3d	4th				
PREVIOUS SCHEDULE		C																																		
NEW SCHEDULE																																				
CHG CODE	J	3	U	N	K	N	O	W	N																											
9. FIRST FLIGHT/TEST	10. LATEST FLIGHT/TEST												11. FINAL FLIGHT/TEST												12. TOTAL FLIGHT HRS REQ				13. ACFT SERIAL NR							
14. % PLANNING COMPLETED	15. % INSTRUMENTATION COMPLETED												16. % TESTING COMPLETED												17. % DATA REDUCTION COMPLETED				18. % REPORT COMPLETED				19. % TOTAL COMPLETED			
10/94	5/94												70/94												10/94				5/0				100/90			

20. REMARKS

LIC 9121 WSC 3

Tests completed: 256

Tests documented: 273

Aircraft hours flown to date:

Documented aircraft hours remaining:

Test	Photo
C-130 - 65.1	T-28 - 25.4
B-66 - 40.0	T-33 - 71.0
H-21 - 1.0	B-57 - 6.0
	F-104 - 1.5
	F-100 - 18.0
	H-21 - 20.0
	T-38 - 4.0

Test	Photo
C-130 - 16	T-33 - 5
B-66 - 0	T-28 - 3
	H-21 - 23

Three live jump tests were made from H-21 and C-130 aircraft. The test subjects wore seat survival kits and were instructed to jump and pull the timer-actuator arming knob. On the first test (1321) the 35-ft. D main parachute was immediately deployed. On the other two tests (1361 and 1362) the 78-in. D hemisflo stabilization parachute was immediately deployed. At approximately 15,500-ft. altitude the stabilization parachute was released and the main parachute deployed. At approximately 1500-ft. altitude the seat survival kit was deployed on all tests.

Test information follows:

21. DATE	22. OFFICE SYMBOL AND TELEPHONE EXT	23. SIGNATURE OF PROJECT OFFICER
31 August 1964	FTNEM/266	<i>for Robert J. McConville</i> MAJOR USAF Lt. David P. Schmarje

AFMTC FORM 29
 AUG 62

PREVIOUS EDITIONS OF THIS FORM MAY BE USED.

Program Structure 921A, EXPERIMENTAL PERSONNEL PARACHUTE (MULTI-STAGE) (Cont'd)

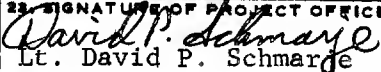
Drop No.	Calibrated airspeed (kt)	Pressure altitude (ft)	Aircraft type	Gross weight (lb)	Time to stab. release (sec)	Time to full open (sec)	Impact time (sec)	Rate of descent stab. (ft/sec)	Corrected rate of descent main (ft/sec)	Jumper	Remarks
1321	60	6,000	H-21	276	-	7.8	419.9	-	N/A	MSgt Casto	1,2
1361	110	35,000	C-130	270	115.4	118.0	884.3	159.9	21.1	SSgt Powers	4
1362	110	35,000	C-130	276	105.8	108.4	832.0	158.9	19.0	MSgt Casto	3

Remarks:

1. Times from hand-held stopwatches. Phototheodolite data were not obtained.
2. This was a Salton Sea (water) jump with full pressure suit.
3. This was a jump with full pressure suit.
4. This jump was made without a pressure suit.

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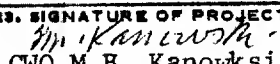
20. REMARKS																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><u>LIC</u> 9341</p> <p>Tests completed: 9</p> <p>Aircraft hours flown to date:</p> <table style="width: 100%; border: none;"> <tr> <th style="text-align: left;">Test</th> <th style="text-align: left;">Photo</th> </tr> <tr> <td>F-106B - 8</td> <td>T-38 - 4</td> </tr> <tr> <td></td> <td>F-104 - 22</td> </tr> <tr> <td></td> <td>F-106B - 5</td> </tr> </table> </div> <div style="width: 45%;"> <p>Tests documented: 12</p> <p>Documented aircraft hours remaining:</p> <table style="width: 100%; border: none;"> <tr> <th style="text-align: left;">Test</th> <th style="text-align: left;">Photo</th> </tr> <tr> <td>F-106B - 4</td> <td>F-106B - 6</td> </tr> <tr> <td></td> <td>F-104D - 7</td> </tr> <tr> <td></td> <td>T-38 - 8</td> </tr> <tr> <td></td> <td>T-33 - 9</td> </tr> </table> </div> </div> <p style="margin-top: 20px;">Two in-flight ejection tests were made from the aft cockpit of a NF-106B aircraft. Test conditions and information are classified.</p>			Test	Photo	F-106B - 8	T-38 - 4		F-104 - 22		F-106B - 5	Test	Photo	F-106B - 4	F-106B - 6		F-104D - 7		T-38 - 8		T-33 - 9
Test	Photo																			
F-106B - 8	T-38 - 4																			
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F-106B - 4	F-106B - 6																			
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	T-33 - 9																			
21. DATE	22. OFFICE SYMBOL AND TELEPHONE EXT	23. SIGNATURE OF PROJECT OFFICER																		
31 August	FTNEM/266	<div style="text-align: center;">  <p>Lt. David P. Schmarje</p> </div>																		

PROJECT STATUS REPORT

INSTRUCTIONS

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921A				64B05																												
4. AFMTC PROJECT DIRECTIVE NR		5. AFSC PRIORITY		6. REPORTING PERIOD																												
64-41		75A		August 1964																												
7. TITLE AND OBJECTIVE																																
EVALUATION OF AERIAL PHOTO TECHNIQUES (EXTENDED FREE FALL)																																
To determine most applicable camera location on helmets and develop a capability for taking motion pictures of parachutist during free fall.																																
8. SCHEDULE	CURRENT FY 65										FY 66										FY 67 QTRs				FY 68 QTRs							
	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	1st	2nd	3rd	4th	1st	2nd	3rd	4th
CURRENT SCHEDULE			1	T	T	T	T	C																								
NEW SCHEDULE																																
CHG CODE																																
9. FIRST FLIGHT/TEST				10. LATEST FLIGHT/TEST				11. FINAL FLIGHT/TEST				12. TOTAL FLIGHT HRS REQ				13. ACFT SERIAL NR																
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10/80				N/A				65/28				N/A				25/10				100/22												
20. REMARKS																																
<p>LIC 9345 WSC 23</p> <p>Test completed: 24 Tests documented: 60</p> <p>Aircraft hours flown to date: Documented aircraft hours remaining:</p> <p>Test C-130 - 5.8 Test C-130 - 24.2</p> <p>One test was made from the ramp of a C-130 aircraft at 110 KIAS, 12,500-ft. pressure altitude. The camera parachutist used a helmet with the camera mounted on the side. A parachutist exited the aircraft first, followed by the camera-parachutist. The parachutist held a stable prone position as the camera-parachutist maneuvered toward him. Motion pictures were taken at 32 frames per second. The coverage obtained was considered good. The camera-parachutist had the parachutist in view throughout the free-fall.</p>																																
21. DATE				22. OFFICE SYMBOL AND TELEPHONE EXT								23. SIGNATURE OF PROJECT OFFICER																				
31 August 1964				FTNOP/291								 CWO M.B. Kanowski																				